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INTRODUCTION

SECTION II includes the mandatory operating limitations, instrument markings, and basic placards necessary for the safe operation of the airplane, its engine, standard systems and standard equipment.

The limitations included in this section have been approved by the Federal Aviation Administration.

When applicable, limitations associated with optional systems or equipment such as autopilots are included in SECTION IX.

| NOTE |

The airspeeds listed in the Airspeed Limitations chart (Figure 2-1) and the Airspeed Indicator Markings chart (Figure 2-2) are based on Airspeed Calibration data shown in SECTION V with the normal static source. If the alternate static source is being used, ample margins should be observed to allow for the airspeed calibration variations between the normal and alternate static sources as shown in SECTION V.

Your Mooney is certificated under FAA Type Certificate No. 2A3 as a Mooney M20M.

NOISE LIMITS

The certificated noise level for the Mooney M20M at 3368 lbs. (1528 Kg.) maximum weight is 74.03 dB(A) (FAR 36) & 71.0 dB(A) (ICAO 16). No determination has been made by the Federal Aviation Administration that the noise levels of this airplane are or should be acceptable or unacceptable for operation at, into, or out of, any airport.

AIRSPEED LIMITATIONS

Airspeed limitations and their operational significance are shown in Figure 2-1. This calibration assumes zero instrument error.

| V / SPEED | | KCAS/KIAS | REMARKS |
|--------------------------|-------------------------------------|----------------------------------------------|-----------------------------------------------------------------------------------------|
| ===== | | | |
| V _{NE} | Never Exceed Speed | 195/195 | Do not exceed this speed in any operation. |
| V _{NO} | Maximum Structural Cruising Speed | 174/174 | Do not exceed this speed except in smooth air, and then only with caution. |
| V _A | Maneuvering Speed at: | | |
| | lbs. /Kg. | | |
| | 2600/1179 | 111/111 | Do not make full or abrupt control movement above this speed. |
| | 2900/1315 | 117/117 | |
| | 3200/1452 | 123/123 | |
| | 3368/1528 | 126/127 | |
| V _{FE} | Maximum Flap Extended Speed | 109/110 | Do not exceed this speed with flaps in full down position. |
| V _{LE} | Maximum Landing Gear Extended Speed | 165/165 | Maximum speed at which the aircraft can be safely flown with the landing gear extended. |
| V _{LO} (EXT) | Max. Speed for Gear Extension | 139/140 | Max. speed at which the landing gear can be safely extended. |
| V _{LO} (RET) | Max. Speed for Gear Retraction | 104/106 | Maximum speed at which the landing gear can be safely retracted. |
| | Maximum Pilot Window Open Speed | 133/132 * *Some A/C may show lower speeds | Do not exceed this speed with pilot window open. |
| ===== | | | |

FIGURE 2-1 AIRSPEED LIMITATIONS

AIRSPPEED INDICATOR MARKINGS

Airspeed indicator markings, their color code and operational significance are shown in Figure 2-2.

| MARKING | IAS VALUE or RANGE (KIAS) | SIGNIFICANCE |
|---------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| ===== | | |
| White Arc (Flap Operating Range) | 59 - 110 KIAS | Lower limit is maximum weight V_{SO} in landing configuration. Upper limit is maximum speed permissible with flaps extended. |
| Green Arc (Normal Operating Range) | 66 - 174 KIAS | Lower limit is maximum weight V_S with flaps retracted. Upper limit is maximum structural cruising speed. |
| Yellow Arc (Caution Range) | 174 - 195 KIAS | Operations must be conducted with caution and only in smooth air. |
| Radial Red Line | 195 KIAS | Maximum speed for all operations. |
| ===== | | |

FIGURE 2-2 AIRSPPEED INDICATOR MARKINGS

POWER PLANT LIMITATIONS

| | |
|-----------------------------------------------------------------------------------------|------------------------------------------------|
| Number of Engines | 1 |
| Engine Manufacturer | TEXTRON-Lycoming |
| Engine Model Number | TIO-540-AF1A * |
| Engine Operating Limits for Takeoff and Continuous Operations: | |
| Maximum Continuous Power | 270 BHP |
| Maximum Continuous RPM | 2575 RPM |
| Transient RPM Limit | 2700 RPM |
| Maximum Manifold Pressure | 38 in. Hg. |
| Maximum Turbine Inlet Temperature (TIT) Continuous | |
| 1750° F | |
| Maximum Cylinder Head Temperature | |
| 500° F(260° C) | |
| Maximum Oil Temperature | 245° F(118° C) |
| Minimum Oil Temperature-Grnd. Run-up | |
| 75° F(24° C) | |
| Minimum Oil <u>T</u> emperature-Takeoff | |
| 100° F(38° C) | |
| Oil Pressure | |
| Normal Operating | 55-95 PSI |
| Minimum (IDLE ONLY). | 25 PSI |
| Maximum (cold oil) | 115 PSI |
| Oil Specification | MIL-L-22851 and TEXTRON-Lycoming Approved oils |
| Fuel Grade (Color) | 100LL (Blue)** or 100 octane (Green) ** |
| Number of Propellers. | 1 |
| Propeller Manufacturer | McCauley |
| Propeller/Blade Model Number | B3D32C417/82NRD-7 |
| Number of Blades | 3 |
| Propeller Diameter: | |
| Min | 75 In. (190.5 cm) |
| Max.(No cutoff allowed) | 75 In. (190.5 cm) |
| Propeller Blade Angles @ 30.0 In. sta.: | |
| Low | 15.1 Degrees +/- 0.2 Degrees |
| High | 43.0 Degrees +/- 0.5 Degrees |
| Propeller Operating Limits | 2575 RPM |
| *TIO-540-AF1B ENGINE INSTALLED S/N 27-0211 & ON. OPTIONAL FOR S/N 27-0108 THRU 27-0210. | |
| ** | |
| 100LL fuel is calibrated at 5.82 lb/gal(.69 Kg/liter) | |
| 100 octane fuel is calibrated at 6.0 lb.gal. (.72 Kg/liter) | |

POWER PLANT INSTRUMENT MARKINGS

| INSTRUMENT | REDLINE MINIMUM LIMIT | GREEN ARC NORMAL OPERATING | YELLOW ARC | REDLINE MAXIMUM LIMIT |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------------|-----------------------------|-----------------------------|
| Tachometer | 500 RPM No Redline | 2200-2575 RPM | | 2575 RPM |
| Manifold Pressure | | 10.0 - 38.0 In Hg.* | | 38.0 In Hg |
| Turbine Inlet Temperature | | 1300 - 1750° F (704 - 954°C) | | 1750° F (954°C) |
| Cylinder Head Temperature | | 250-500° F (121 - 260°C) | | 500° F (260°C) |
| Oil Temperature | No Redline | 100 -245° F (37 - 118°C) | | 245° F (118°C) |
| Oil Pressure | 25.0 PSI (IDLE ONLY) | 55-95 PSI | 25 - 55 PSI 95 - 115 PSI | 115 PSI |
| Fuel Pressure ** | 15 PSI | 24 - 55 PSI | 15 - 24 PSI | 55 PSI |
| <p>* Normal operating range, no green arc required.</p> <p>** 27-0108 THRU 27-0257</p> | | | | |
| <p>NOTE</p> <p>Refer to TEXTRON-Lycoming Engine Maintenance and Operators Manual Section on Engine Specifications and Operating Limits for recommended cruise power and temperature limitations.</p> | | | | |

FIGURE 2 - 3 POWER PLANT INSTRUMENT MARKINGS

FUEL LIMITATIONS

// WARNING //

Takeoff maneuvers when the selected fuel tank contains less than 12 gallons (45.4 liters) of fuel have not been demonstrated.

| NOTE |

Each fuel quantity gauge is calibrated to read zero (RED LINE) only in coordinated level flight when the quantity of fuel can no longer be safely used.

| NOTE |

An optional visual fuel quantity gauge is installed on top of each tank and is to be used as a reference for refueling tanks only.

| | |
|------------------------------------------------------------------------------------|------------------------------------|
| Standard Tanks (2) | 47.5 U.S. Gal. each (179.8 liters) |
| Total Fuel | 95 U.S. Gal. (359.6 liters) |
| Usable Fuel: | 89 U.S. Gal. (336.8 liters) |
| Unusable Fuel: | 6 U.S. Gal. (22.7 liters) |
| Fuel Grade (and color): 100LL (low lead) (blue) or 100 octane (green) is approved. | |

~ CAUTION ~

To reduce the possibility of ice formation within the aircraft or engine fuel system it is permissible to add ISO-PROPYL alcohol to the fuel supply in quantities NOT TO EXCEED 1% of the total fuel volume per tank. DO NOT add other additives to the fuel system due to potential deteriorating effects within the fuel system.

WEIGHT LIMITS

| | |
|-------------------------------------------------------|-----------------------------------------|
| Maximum Weight - Takeoff | 3368 lb. (1528 Kg.) |
| Maximum Weight - Landing | 3200 lb. (1452 Kg.) |
| Maximum Weight in Baggage Compartment | 120 lb. |
| | (54.4 Kg.) @ Fus. Sta. 101.5 (253.7 cm) |
| Maximum Weight in Rear Storage Area | 10 lb. |
| | (4.54 Kg.) @ Fus. Sta. 131.0 (297.5 cm) |
| Maximum Weight in Cargo Area (Rear seats folded down) | 340 lbs. |
| | (154.2 KG) @ Fus. Sta. 70.7 (176.8 cm) |

CENTER OF GRAVITY LIMITS (GEAR DOWN)

| | | |
|---------------------------------------------|----------------------------------------------------|------------|
| Most Forward | Fus. Sta. 41.0 IN. (104.1 cm) @ 2430 LB. (1102 Kg) | 16.79% MAC |
| Intermediate Forward | Fus. Sta. 44 IN.(111.7 cm) @ 3300 lb. (1497 Kg) | 21.7% MAC |
| Forward Gross | Fus. Sta. 46.0 IN. (116.8 cm) @ 3368 lb (1528 Kg) | 24.98% MAC |
| Aft Gross | Fus. Sta. 51.0 IN(129.5 cm) @ 3368 lb. (1528 Kg) | 33.18% MAC |
| MAC (at Wing Sta. 94.85) (241 cm) | | 61.00 In. |

Datum(station zero) is 13 inches (32.5 cm) aft of the center line of the nose gear trunion at-tach/pivot bolts.

MANEUVER LIMITS

This airplane must be operated as a Normal Category airplane. Aerobatic maneuvers, includ-ing spins, are prohibited.

| NOTE |

Up to 500 foot altitude loss may occur during stalls at maximum weight.

FLIGHT LOAD FACTOR LIMITS

| | |
|-----------------------------------|---------|
| Maximum Positive Load Factor | |
| Flaps Up | +3.8 g. |
| Flaps Down (33 Degrees) | +2.0 g. |
| Maximum Negative Load Factor | |
| Flaps Up | -1.5 g. |
| Flaps Down | .0.0 g. |

FLIGHT CREW

| | |
|---------------------------------------------------|-------|
| Pilot | One |
| Maximum passenger seating configuration | Three |

OPERATING LIMITATIONS

Maximum operating altitude is 25,000 feet MSL.

Takeoffs with the cowl flaps inoperative are prohibited.

Engine restarts should not be conducted above 23,000 ft. altitude.

When operating above 22,000 feet and at manifold pressures above 32 IN. Hg., only best power mixture (1650° F (898° C) TIT) or richer is permitted

OXYGEN SYSTEM LIMITATIONS

| NOTE |

Only masks which have end fittings marked with a green band are acceptable for use with this system.

KINDS OF OPERATION LIMITS

This is a Normal Category airplane certified for VFR/IFR day or night operations when the required equipment is installed and operational as specified in the KINDS OF OPERATION EQUIPMENT LIST and the applicable operating rules.

Optional equipment installations may not be required to be operational.

The pilot must determine that the applicable operating rules requirements for each kind of operation are met.

OPERATIONS IN KNOWN ICING CONDITIONS ARE PROHIBITED.

Autopilot Limitations- See SECTION IX.

KINDS OF OPERATION EQUIPMENT LIST

The following equipment was approved during Type Certification and must be installed and operable for each kind of operation as specified.

| NOTE |

The KINDS OF OPERATION EQUIPMENT list may not include all the equipment as required by applicable operating rules.

SEE NEXT PAGE FOR LISTINGS.

KINDS OF OPERATION EQUIPMENT LIST

| SYSTEM or COMPONENT | VFR DAY * | | | |
|----------------------------------------------------------------|-----------|-----------|---|-----------|
| | | VFR NIGHT | | |
| | | IFR DAY | | IFR NIGHT |
| | | | | |
| AIRSPPEED INDICATOR | 1 | 1 | 1 | 1 |
| ALTIMETER, SENSITIVE | 1 | 1 | 1 | 1 |
| MAGNETIC DIRECTION INDICATOR. | 1 | 1 | 1 | 1 |
| MANIFOLD PRESSURE GAUGE | 1 | 1 | 1 | 1 |
| TACHOMETER | 1 | 1 | 1 | 1 |
| FUEL QUANTITY INDICATOR | 2 | 2 | 2 | 2 |
| FUEL PRESSURE INDICATOR | 1 | 1 | 1 | 1 |
| OIL PRESSURE INDICATOR | 1 | 1 | 1 | 1 |
| OIL TEMPERATURE INDICATOR | 1 | 1 | 1 | 1 |
| CYLINDER HEAD TEMPERATURE INDICATOR | 1 | 1 | 1 | 1 |
| TURBINE INLET TEMPERATURE INDICATOR. | 1 | 1 | 1 | 1 |
| ALTERNATOR LOAD METER | 1 | 1 | 1 | 1 |
| ALTERNATOR | 1 | 1 | 1 | 1 |
| LANDING GEAR POSITION INDICATOR | 2 | 2 | 2 | 2 |
| SEAT BELT & SHOULDER HARNESS FOR EACH OCCUPANT ** | 1 | 1 | 1 | 1 |
| OXYGEN MASK FOR EACH OCCUPANT *** | 1 | 1 | 1 | 1 |
| POSITION LIGHTS | | 3 | | 3 |
| STROBE LIGHTS (ANTI-COLLISION). | | 3 | | 3 |

* Equipment must be installed and operable for all operations.

** If inoperative for unoccupied seat(s), seat(s) must be placarded:
"DO NOT OCCUPY"

*** Only required when the operating rules require use of oxygen.

SECTION II LIMITATIONS

MOONEY
MODEL M20M

KINDS OF OPERATION EQUIPMENT LIST (con't.)

SYSTEM or COMPONENT (con't.)

| | VFR DAY * | | | |
|------------------------------------------------------------------|-----------|---|-----------|---|
| | | | VFR NIGHT | |
| | | | IFR DAY | |
| | | | IFR NIGHT | |
| GYRO-HORIZON | | | 1 | 1 |
| DIRECTIONAL GYRO | | | 1 | 1 |
| TURN COORDINATOR or TURN & BANK INDICATOR | | | 1 | 1 |
| LANDING LIGHT **** | | 1 | | 1 |
| INSTRUMENT LIGHTS (INTERNAL or GLARESHIELD) | | 1 | | 1 |
| CLOCK (WITH SWEEP SECOND HAND or DIGITAL). | | | 1 | 1 |
| COMMUNICATION SYSTEM | | | 1 | 1 |
| NAVIGATION SYSTEM (APPROPRIATE TO FACILITIES BEING USED) | | | 1 | 1 |
| BATTERIES. | 2 | 2 | 2 | 2 |
| VACUUM SYSTEM/INDICATOR | | | 1 | 1 |
| FUEL BOOST PUMP | 1 | 1 | 1 | 1 |
| PILOT'S OPERATING HANDBOOK & AIRPLANE FLIGHT MANUAL | 1 | 1 | 1 | 1 |
| PITOT, Heated **** | | | 1 | 1 |
| OAT GAUGE **** | | | 1 | 1 |
| VSI **** | | | 1 | 1 |
| ALTERNATE STATIC SOURCE **** | | | 1 | 1 |
| STAND-BY VACUUM SYSTEM **** | | | 1 | 1 |

* Equipment must be installed and operable for all operations.
**** When required by the appropriate regulations.

DECALS AND PLACARDS

CABIN INTERIOR

The following placards are relevant to proper operation of the airplane and must be installed inside the cabin at the locations specified.

| | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <p align="center">OPERATING LIMITATIONS</p> <p>THE MARKINGS AND PLACARDS INSTALLED IN THIS AIRPLANE CONTAIN OPERATING LIMITATIONS WHICH MUST BE COMPLIED WITH WHEN OPERATING THIS AIRPLANE IN THE NORMAL CATEGORY. THIS AIRPLANE IS CERTIFIED FOR DAY AND NIGHT VFR/IFR OPERATION WHEN THE REQUIRED EQUIPMENT IS INSTALLED AND OPERATIONAL FLIGHT INTO KNOWN ICING CONDITIONS IS PROHIBITED. NO AEROBATIC MANEUVERS, INCLUDING SPINS ARE APPROVED. OTHER OPERATING LIMITATIONS WHICH MUST BE COMPLIED WITH WHEN OPERATING THIS AIRPLANE IN THIS CATEGORY ARE CONTAINED IN THE AIRPLANE FLIGHT MANUAL. MANEUVERING SPEED (3368 LBS), 127 KIAS; (2800 LBS), 111 KIAS.</p> | | |
| <p align="center">EMERGENCY MANUAL GEAR EXTENSION</p> <ol style="list-style-type: none"> 1. PULL LANDING GEAR ACTUATOR CIRCUIT BREAKER. 2. PUT GEAR SWITCH IN GEAR DOWN POSITION. 3. PUSH RELEASE TAB FORWARD AND LIFT UP RED HANDLE. 4. PULL T-HANDLE STRAIGHT UP (12 TO 20 INCHES). 5. ALLOW T-HANDLE TO RETURN TO ORIGINAL POSITION. 6. REPEAT UNTIL GEAR DOWN LIGHT COMES ON (12 TO 20 PULLS). IF TOTAL ELECTRICAL FAILURE-SEE MECHANICAL INDICATOR. | | |
| <p align="center">CAUTION</p> <ol style="list-style-type: none"> 1. TURN OFF STROBE LITES WHEN TAXIING NEAR OTHER ACFT OR WHEN FLYING IN FOG OR IN CLOUDS. STD POSITION LITES MUST BE USED FOR ALL NIGHT OPERATIONS. 2. IN CASE OF FIRE, TURN OFF CABIN HEAT. 3. DO NOT SCREW VERNIER CONTROLS CLOSER THAN 1/8" FROM NUT FACE. | | |

ON LEFT SIDE PANEL
BELOW PILOT'S SIDE
WINDOW

S/N 27-0053 THRU 27-TBA
FOR GROSS WT OF 3368
LBS.

S/N 27-0001 THRU 27-
0052 IF C/W SB M20-248.
If not C/W SB M20-248,;
MANEUVERING SPEED
FOR GROSS WT OF (3200
LBS) IS 123 KIAS

| | | | |
|-----------------------------------------------------|---------------------------------------------------------------------------------|--------------|------------|
| <p align="center">CHECK LIST</p> | | | |
| <p>T A K E O F F</p> | CONTROLS | RUN-UP | DOOR |
| | FUEL | PROP | WINDOW |
| | INSTRUMENTS | WING FLAPS | ALT AIR |
| | TRIM | SEAT LATCH | PARK BRAKE |
| | COWL FLAPS | BELT/HARNESS | MIXTURE |
| | CONDUCT RUDDER/ELEV TRIM CHECK PRIOR TO FLIGHT, SEE PILOT'S OPERATING HANDBOOK. | | |

ON
CONSOLE
COMPART -
MENT
COVER

| | | | |
|-----------------------------|--------------|------------|------------|
| <p>L D G</p> | BELT/HARNESS | GEAR | MIXTURE |
| | FUEL | WING FLAPS | PROP |
| | BOOST PUMP | | PARK BRAKE |

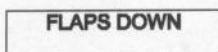
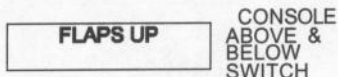
-924

| |
|-------------------------------------------------------------------------------------------|
| <p align="center">BOTH BATTERIES MUST BE INSTALLED FOR FLIGHT.</p> |
|-------------------------------------------------------------------------------------------|

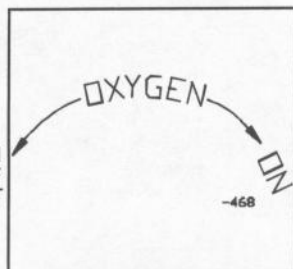
ON BATTERY
ACCESS
PANELS
L/H & R/H

UPPER
L/H
INSTR.
PANEL

| | | |
|---------------|-------|------|
| START STOP | CLEAR | MODE |
|---------------|-------|------|



PILOT'S L/H
PANEL, FWD OF
ARM REST

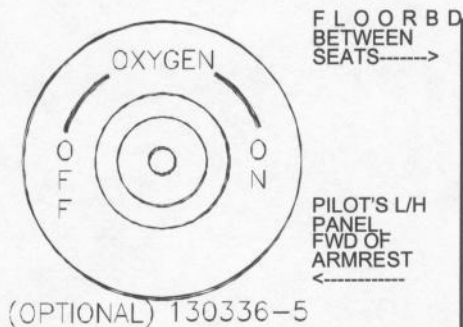


EFF.: 27-0001 THRU 27-0180,
27-0182, 27-0183

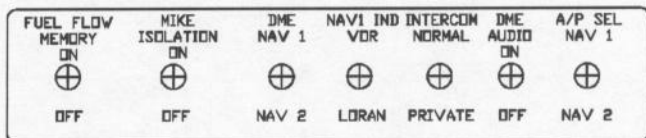
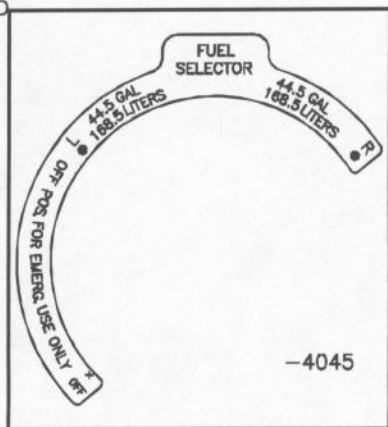


FWD END OF
REAR SEAT
BOTTOM
STRUCTURE

-376



EFF.: 27-0181, 27-0184
THRU 27-TBA



TOP RT.
RADIO
PANEL
(VARIES WITH
INSTALLED
EQUIP.)

-919

SECTION II LIMITATIONS

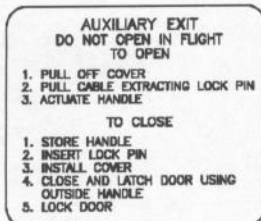
MOONEY
M20M



-921

UPPER
CTR.
INSTR.
PANEL

ABOVE
INSIDE
BAGGAGE
DOOR
HANDLE



-834

LWR INSTR PNL., BELOW
CONTROL WHEEL SHAFT

PULL FOR ALT
STATIC SOURCE

-467

DO NOT OPEN
ABOVE 132 KIAS

BELOW PILOT'S
STORM WINDOW

COWL FLAP
CLOSED

-663

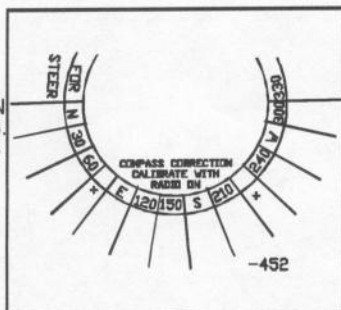


COWL FLAP
OPEN

-664

ON CONSOLE
ABOVE & BELOW
COWL FLAP
SWITCH

ON
MAG.
COMPASS



-452

ABOVE EACH FUEL QTY. GAUGE
ON BEZEL (27-0258 thru 27-TBA)

44.5 GAL
USEABLE

THROTTLE
PUSH INCREASE

ABOVE
EACH

-383

CONTROL
ON LOWER

PROP
PUSH INCREASE

-385

ABOVE ENGINE INSTRUMENT CLUSTER
on BEZEL (27-0258 thru 27-TBA)

INSTR.
PANEL

MIXTURE
PUSH RICH

-387

| | | | | |
|--------------------------|------------------------|--------------------------|--------------------------------------------------------------------|------------------------|
| GREEN ARC 2200 - 2575 | GREEN ARC 250 - 500 | GREEN ARC 1300 - 1750 | GREEN ARC YELLOW ARC 55 - 95 PSI 25 - 55 PSI 95 - 115 PSI | GREEN ARC 100 - 245 |
|--------------------------|------------------------|--------------------------|--------------------------------------------------------------------|------------------------|

DO NOT EXCEED 10 LBS (4.5 Kg) IN THIS COMPARTMENT.
WARNING: USE FOR STOWAGE OF LIGHT SOFT ARTICLES ONLY
SEE AIRCRAFT LOADING SCHEDULE DATA
FOR BAGGAGE COMPARTMENT ALLOWABLE.

BAGGAGE COMPARTMENT
ON HAT RACK SHELF
-220

AROUND EACH
OXYGEN OUTLET
ON OVERHEAD
PANEL

ADJACENT TO AUX. PWR.
SUPPLY PLUG (OPTIONAL)

14 VOLTS
3 AMPS MAX.
5 A INTERMITTENT



OXY-O/H

CONSOLE
ON CONTROL
KNOB

ALT AIR
PULL ON

-899

TOP OF BAGGAGE
DOOR JAMB

DO NOT EXCEED 120 LBS
WARNING: (54.4 Kg) IN THIS COMPARTMENT
SEE AIRCRAFT LOADING SCHEDULE DATA
FOR BAGGAGE COMPARTMENT ALLOWABLE

FLOORBOARD
BETWEEN
SEATS



-369

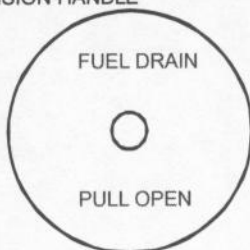
ON UPPER FLIGHT PANEL

NXXXXX

← PUSH TO RELEASE

BETWEEN SEATS - ON
EMERGENCY GEAR RELEASE
EXTENSION HANDLE

FLOORBOARD
FWD OF CO-PILOT
SEAT



SECTION II
LIMITATIONS

MOONEY
M20M

FUSELAGE INTERIOR

The following placards must be installed inside the fuselage at the locations specified.

MAINTAIN

↓

LEVEL HERE

HYDRAULIC OIL
RESERVOIR

-071

28 VOLTS
ONLY

-621

BACKSIDE OF
AUX. PWR.
RECEPTACLE
DOOR

USE AVIATORS
OXYGEN ONLY

SEE PILOT'S OPERATING
HANDBOOK
FOR FILLING PRESSURES

INSIDE OXYGEN
FILLER DOOR

-945

ENGINE OIL
OIL INSTALLED IN THIS ENGINE IS:

NEXT OIL CHANGE IS DUE AT _____ HRS.
(USE GREASE PENCIL) _____ TACH TIME

INSIDE ENGINE OIL
FILLER DOOR

-750

EXTERIOR

The following placards must be installed on the exterior of the aircraft at the locations specified.

NO STEP -007

ON INBOARD END OF FLAP,
WING LEADING EDGES AND
WING AHEAD OF FLAPS

UNDERSIDE
OF WING (2 PLCS)
& AFT OF L/H
COWL FLAP (1PLC)

HOIST POINT

-011

DO NOT PUSH

-067

HORIZ. STAB. L/E
RUDDER T/E (BOTH SIDES)

UNDER TAILCONE
AFT OF WING T/E

TIRE PRESSURE 49 PSI (3.44 Kg/cm²)

STATIC DRAIN

-759

PITOT DRAIN

UNDER LEFT WING L/E
NEAR FUSELAGE

-179

UNDER WING, NEAR
SUMP DRAINS

FUEL DRAIN

-183

GASCOLATOR
DRAIN

-187

UNDER FUSELAGE RT. SIDE
AFT OF NOSE WHEEL WELL

ON MAIN LDG
GEAR DOOR

TIRE PRESSURE 42 PSI (2.95 Kg/cm²)

-757

TIRE PRESSURE 49 PSI (3.44 Kg/cm²)

ON NOSE
LANDING GEAR DOOR

-759

TOWING LIMITS

-700

ON NOSE
LANDING
GEAR
LEG ASSY

ON NOSE
LANDING
GEAR
SPINDLE
ASSY.

WARNING
DO NOT EXCEED
TOWING LIMITS



-701

LWR L/H
WING PANEL
OUT/BD OF
HOIST PT.

MAGNETIC AZIMUTH
TRANSMITTER

LOCATED INSIDE THIS INSPECTION
COVER. USE ONLY NON-MAGNETIC
SCREWS FOR COVER INSTALLATION.

-684

OR 150080-6053
[USED WHEN KING KFC SYSTEMS
ARE INSTALLED ONLY.]

ON BOTH FUEL FILLER CAPS

FUEL-100(GREEN) OR
100LL(BLUE) MIN OCT
44.5 U.S. GAL USABLE
168.5 LITERS USABLE

-917